Pathcare Labs Pvt. Ltd.

Regional Laboratory - Plot No.526, Phase-5, Udyog Vihar, Gurugram-122016
Ph:- 04061216123

BARCODED | NETWORKED | ACCREDITED

REPORT

Patient Name	: Mr. MRITYUNJAY	Reg. No.	: 00262102080014
Age and Sex	: 4 Yrs / Male	PCC Code	: PCL-HR-216
Referring Doctor	: NA	Sample Drawn Date	: 08-Feb-2021 05:20 PM
Referring Customer	:	Registration Date	: 10-Feb-2021 07:06 AM
Vial ID	: J0303650	Report Date	: 16-Feb-2021 12:15 PM
Sample Type	: *Serum*	Report Status	: Final Report
Client Address	: *6349/1, Nicholson Road, Ambala Cantt*		

CHROMATOGRAPHY

Test Name	Obtained Value	Units	Bio. Ref. Intervals (Age/Gender specific)	Method
***Aluminium**	10.20	ug/L	Refer to Interpretation	AAS-Graphiite Furnale-Zeeman

Interpretation:

REFERENCE GROUP	REFERENCE RANGE (µg/L)
Normal individuals	< 15
On hemodialysis	< 40
Toxicity	> 50

- Serum Aluminum concentrations are likely to be increased above the reference range in patients with metallic joint prosthesis.
- Brain deposition has been implicated as a cause of dialysis dementia. In Bone, Aluminum replaces Calcium at the mineralization front, disrupting normal osteoid formation.
- Deposition of Aluminum in Bone also interrupts normal Calcium exchange. The Calcium in bone becomes unavailable for resorption back into blood under the physiologic control of Parathyroid Hormone (PTH) and results in secondary Hyperparathyroidism.

*** End Of Report ***

DR. PRATAP PATIL
MD PATHOLOGY

Note: If the test results are alarming or unexpected,Client is advised to contact the laboratory immediately for possible remedial action.

Pathcare Labs Pvt. Ltd.
Central Laboratory - Survey No.34, Cheeriyal(V),
Keesara(M), Medchal District, Hyderabad - 501301,
Telangana State
Ph:- 04061216121

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REPORT

Patient Name	: Mr. MRITYUNJAY	Reg. No.	: 00262102080013
Age and Sex	: 4 Yrs / Male	PCC Code	: PCL-HR-216
Referring Doctor	: NA	Sample Drawn Date	: 08-Feb-2021 03:15 PM
Referring Customer	: N/A	Registration Date	: 11-Feb-2021 04:06 AM
Vial ID	: J0303649	Report Date	: 13-Feb-2021 10:25 AM
Sample Type	: *WB-EDTA*	Report Status	: Final Report
Client Address	: *6349/1, Nicholson Road, Ambala Cantt*		

CHROMATOGRAPHY

Test Name	Obtained Value	Units	Bio. Ref. Intervals (Age/Gender specific)	Method
Lead	0.5	µg/dL	<10	AAS-Graphite Furnace-Zeeman

Comments:

- **Sample processed on Agilent GTA 120 Zeeman Tube Atomizer.**
- Lead is the most ubiquitous toxic metal detectable in practically all phases of the inert environment and in all biological systems. Industrial exposure to Lead is seen in industries manufacturing Lead containing paints & ceramic glazes, batteries, water pipes and ammunition. Major exposure of the general population is through food & water. Lead-containing toys & paints are a primary source of Lead exposure in children. Centre for Disease Control (CDC) recommends universal screening of children from 6 months of age. Acute toxicity is uncommon as compared to chronic toxicity leading to intellectual deficit and lead induced anemias in children.

REFERENCE GROUP	REFERENCE RANGE (ug/dL)
Children	< 5
Acceptable for Industrial exposure	< 50
Toxicity	>=100

Correlate Clinically. Laboratory is NABL Accredited.

*** End Of Report ***

MC-2197

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